

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110818\
 Data File : BE098172.D
 Acq On : 7 Nov 2018 14:02
 Operator : SJ/JU
 Sample : J5820-09MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C19013081MS

Quant Time: Nov 07 16:26:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 13:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	846	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	3723	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3923	0.40	ng	-0.01
19) Phenanthrene-d10	17.28	188	7162	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8056	0.40	ng	0.00
34) Perylene-d12	24.01	264	7880	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	497	0.20	ng	0.00
5) Phenol-d6	7.04	99	431	0.10	ng	0.00
8) Nitrobenzene-d5	9.02	82	1599	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	12.27	152	2628	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	702	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.15	172	5265	0.33	ng	-0.01
25) Fluoranthene-d10	19.31	212	37707	0.41	ng	0.00
29) Terphenyl-d14	19.91	244	10361	0.55	ng	0.00

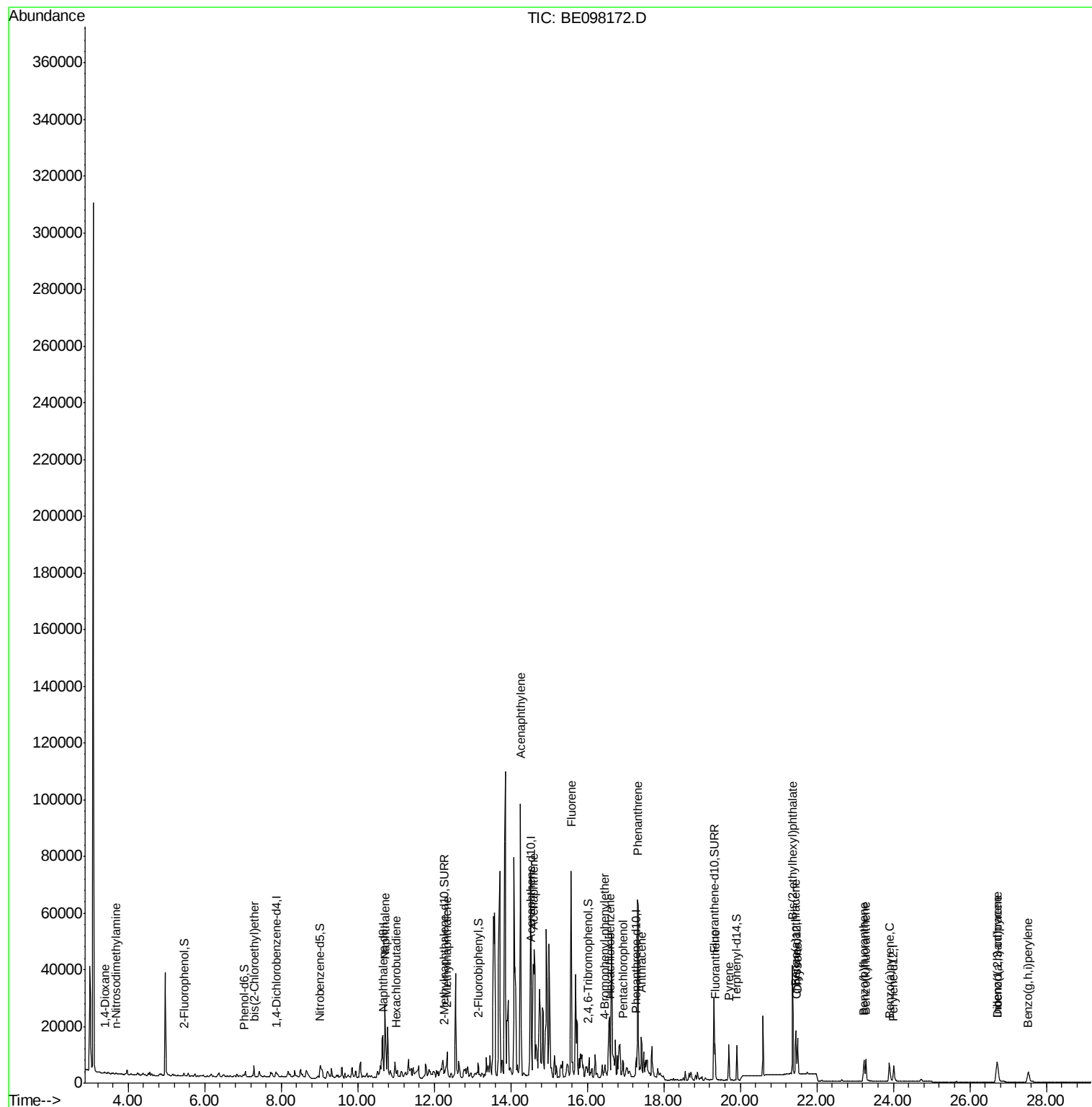
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	182	0.144	ng	# 60
3) n-Nitrosodimethylamine	3.69	42	435	0.258	ng	# 65
6) bis(2-Chloroethyl)ether	7.29	93	1271	0.420	ng	# 84
9) Naphthalene	10.72	128	35028	0.941	ng	# 90
10) Hexachlorobutadiene	11.00	225	942	0.386	ng	# 95
12) 2-Methylnaphthalene	12.34	142	5582	0.840	ng	# 89
16) Acenaphthylene	14.26	152	16086	0.899	ng	# 36
17) Acenaphthene	14.60	154	18416	1.714	ng	# 80
18) Fluorene	15.58	166	53689	3.765	ng	# 94
20) 4-Bromophenyl-phenylether	16.46	248	1895	0.434	ng	# 69
21) Hexachlorobenzene	16.59	284	1834	0.402	ng	# 88
22) Pentachlorophenol	16.94	266	1501	1.246	ng	# 95
23) Phenanthrene	17.31	178	72745	4.100	ng	# 97
24) Anthracene	17.41	178	14261	0.845	ng	# 96
26) Fluoranthene	19.34	202	11468	0.516	ng	# 97
28) Pyrene	19.70	202	12114	0.551	ng	# 98
30) Benzo(a)anthracene	21.45	228	12076	0.513	ng	# 98
31) Chrysene	21.50	228	11520	0.495	ng	# 98
32) Bis(2-ethylhexyl)phthalate	21.37	149	43018	0.678	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.70	276	11662	0.481	ng	# 96
35) Benzo(b)fluoranthene	23.23	252	10996	0.495	ng	# 91
36) Benzo(k)fluoranthene	23.28	252	11463	0.499	ng	# 89
37) Benzo(a)pyrene	23.90	252	10807	0.498	ng	# 89
38) Dibenzo(a,h)anthracene	26.72	278	9992	0.494	ng	# 95
39) Benzo(g,h,i)perylene	27.53	276	9815	0.487	ng	# 90

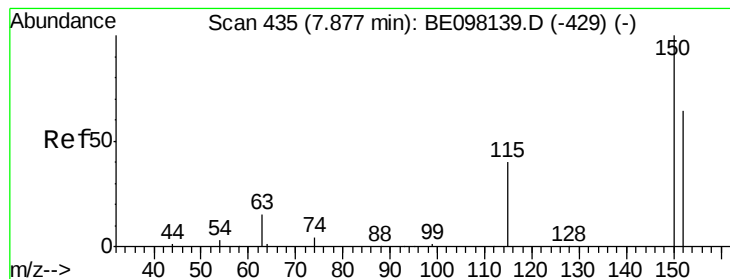
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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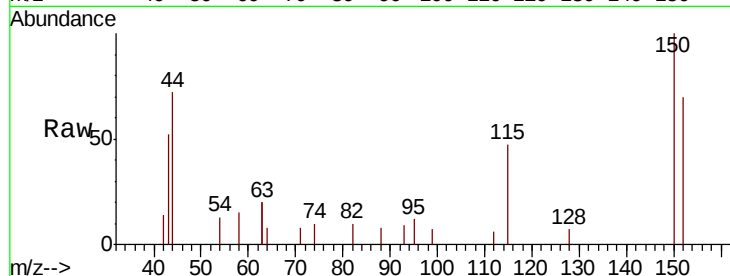


#1

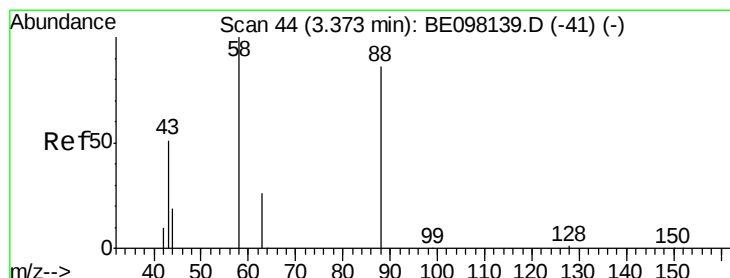
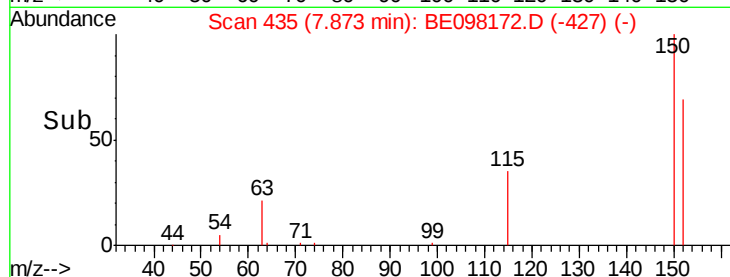
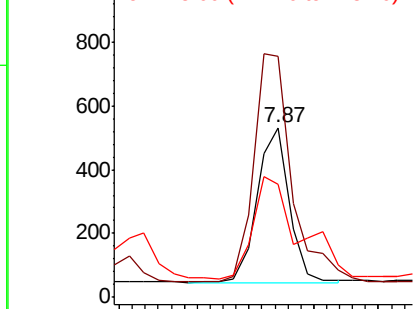
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Instrument :
BNA_E
ClientSampleId :
C19013081MS

Tot Ion:152 Resp: 846
Ion Ratio Lower Upper
152 100
150 142.3 118.2 177.4
115 66.7 50.9 76.3



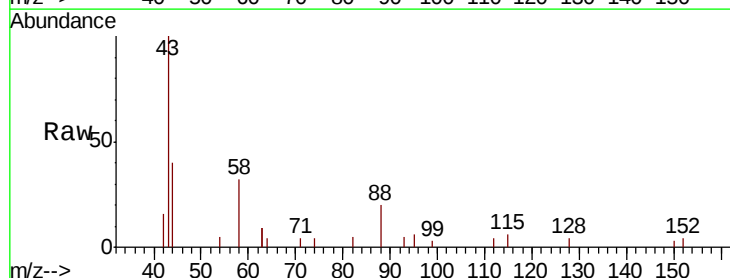
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



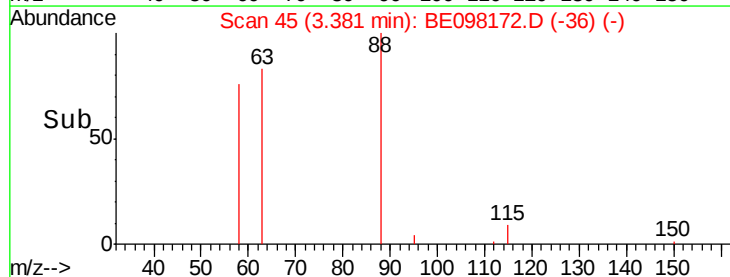
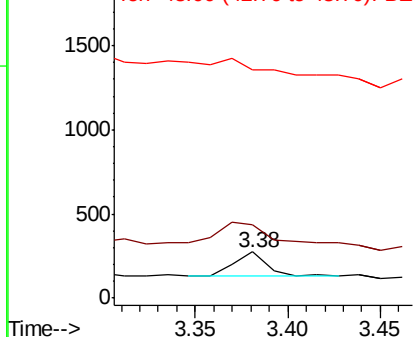
#2

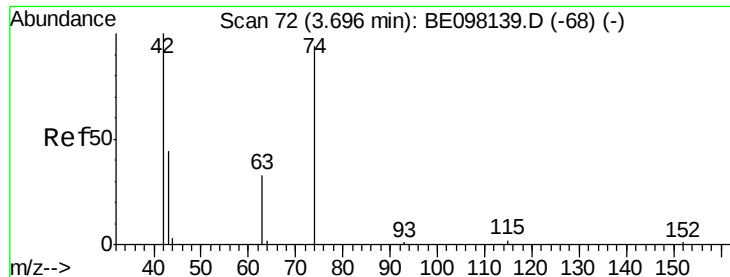
1,4-Dioxane
Concen: 0.144 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion: 88 Resp: 182
Ion Ratio Lower Upper
88 100
58 115.4 73.2 109.8#
43 0.0 36.9 55.3#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.258 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

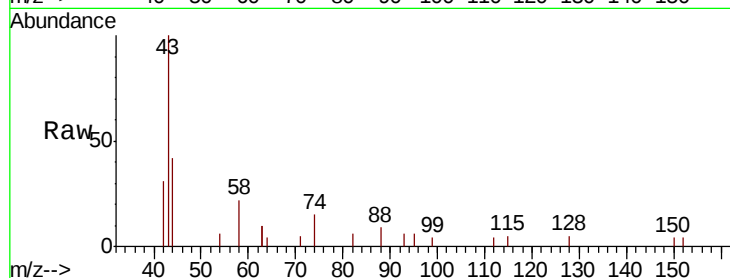
Tot Ion: 42 Resp: 435

Ion Ratio Lower Upper

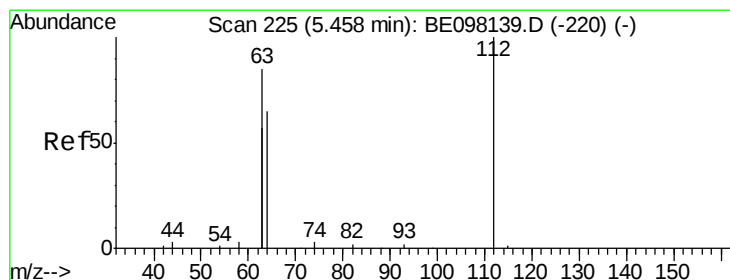
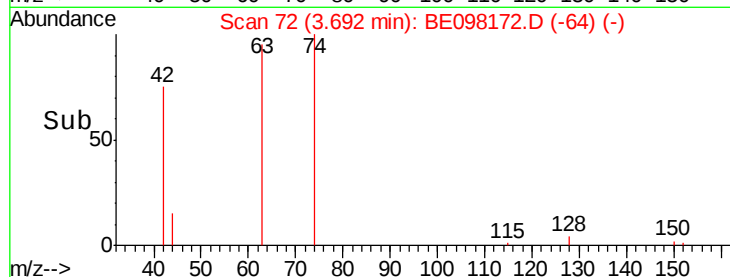
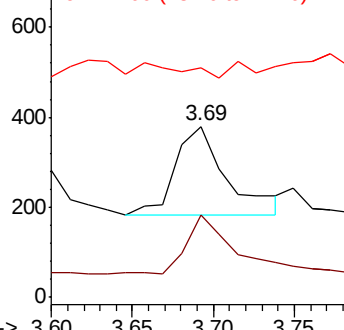
42 100

74 61.4 77.6 116.4#

44 0.0 7.6 11.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.198 ng

RT: 5.45 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

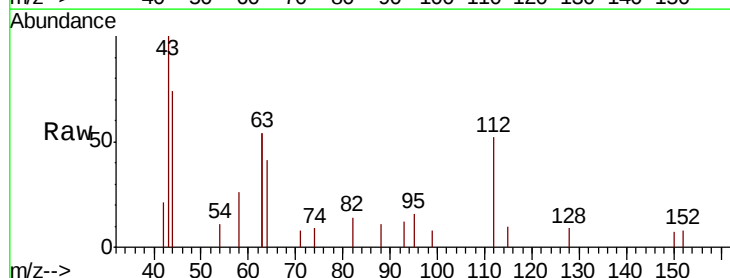
Tgt Ion: 112 Resp: 497

Ion Ratio Lower Upper

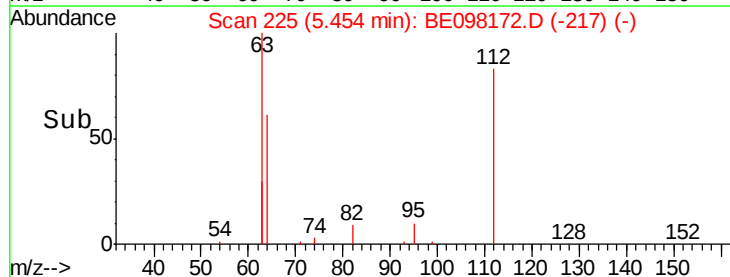
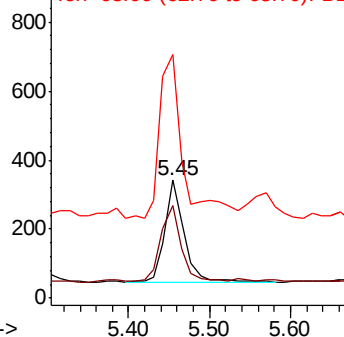
112 100

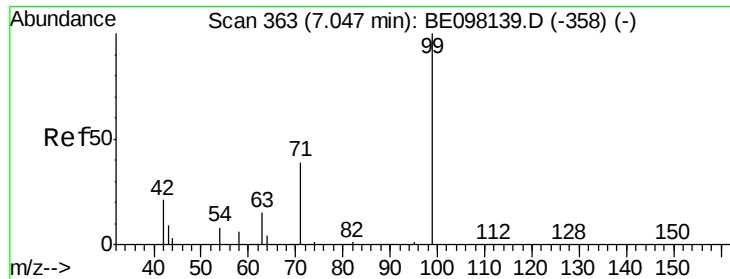
64 76.7 58.9 88.3

63 166.6 120.3 180.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.104 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

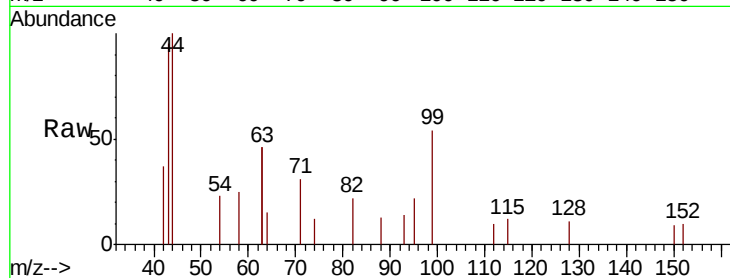
Tot Ion: 99 Resp: 431

Ion Ratio Lower Upper

99 100

42 50.1 19.9 29.9#

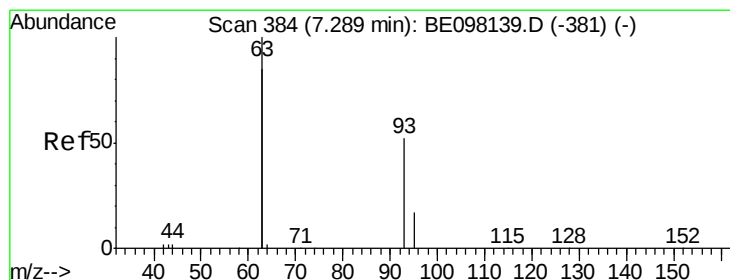
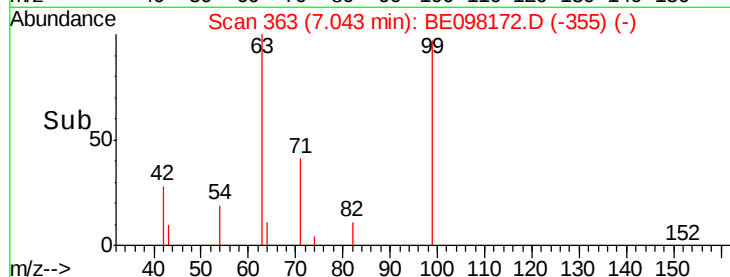
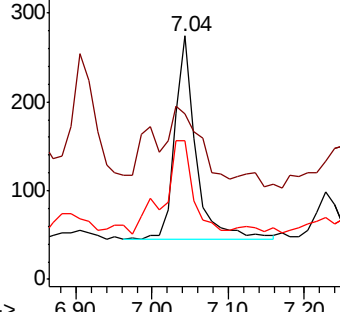
71 66.1 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.420 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

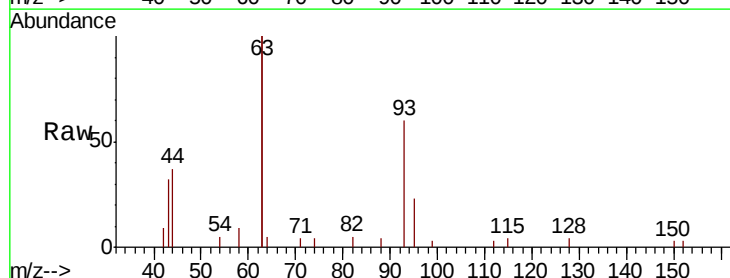
Tgt Ion: 93 Resp: 1271

Ion Ratio Lower Upper

93 100

63 354.9 259.0 388.4

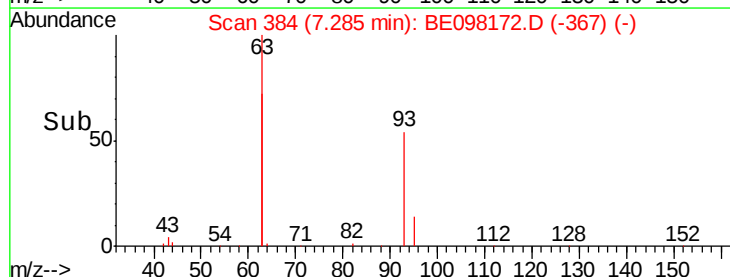
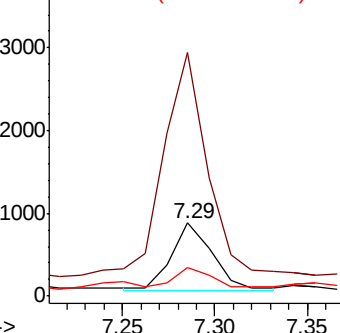
95 49.1 27.8 41.8#

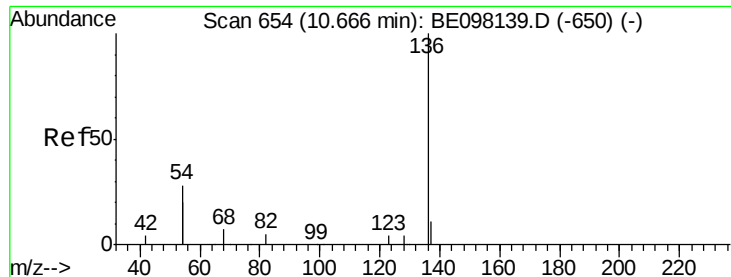


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

Tot Ion:136 Resp: 3723

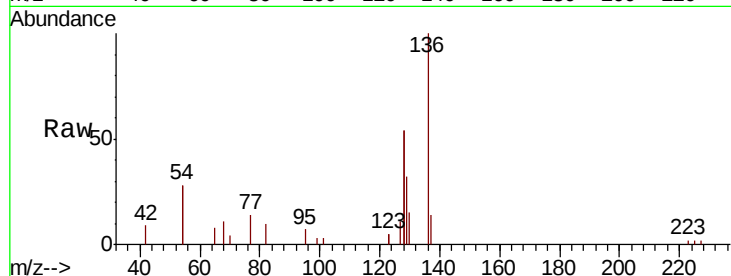
Ion Ratio Lower Upper

136 100

137 13.8 9.6 14.4

54 56.0 27.7 41.5#

68 10.7 5.3 7.9#

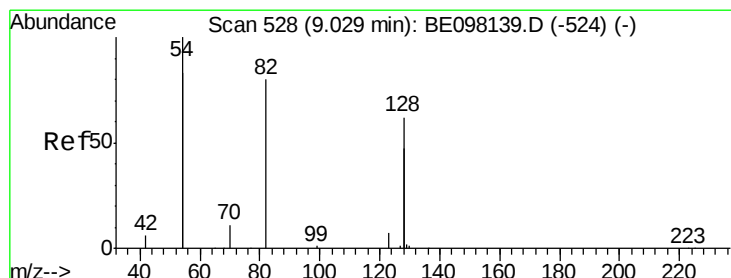
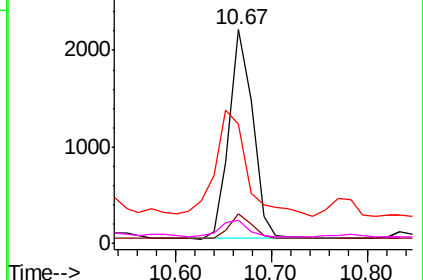
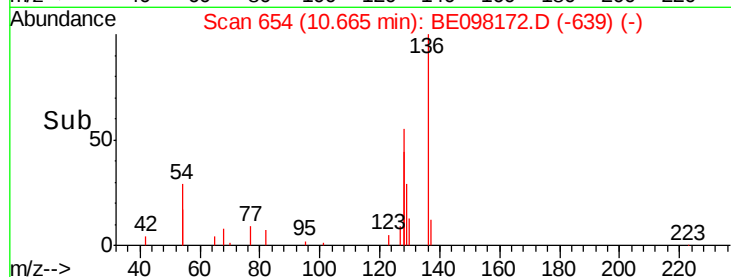


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.400 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.01 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

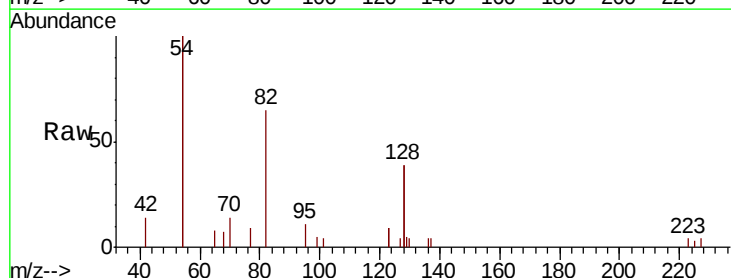
Tgt Ion: 82 Resp: 1599

Ion Ratio Lower Upper

82 100

128 120.0 129.9 194.9#

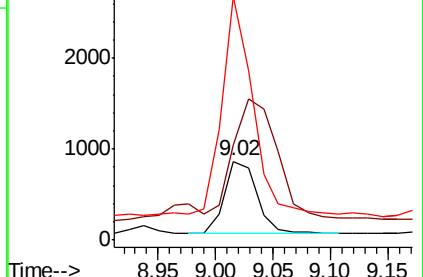
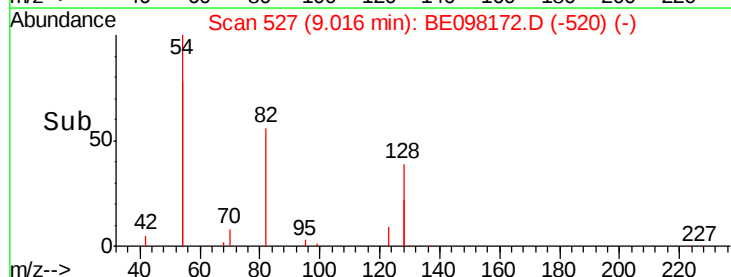
54 308.3 174.0 261.0#

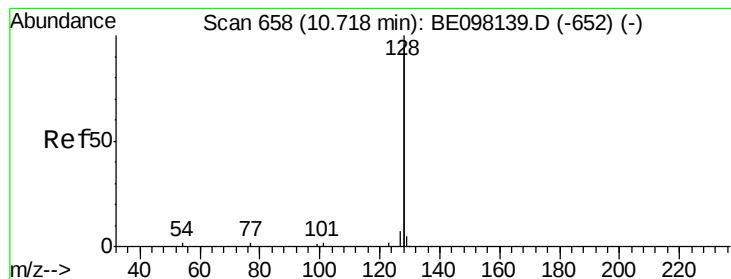


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.941 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

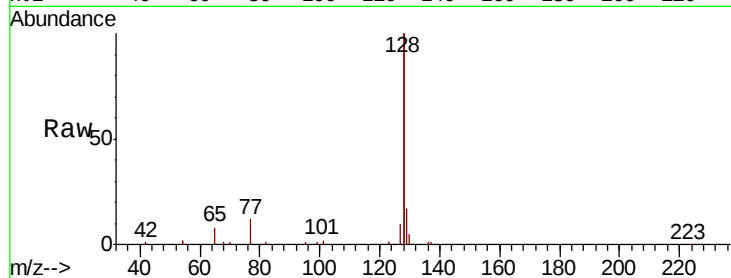
Tot Ion:128 Resp: 35028

Ion Ratio Lower Upper

128 100

129 8.5 2.5 3.7#

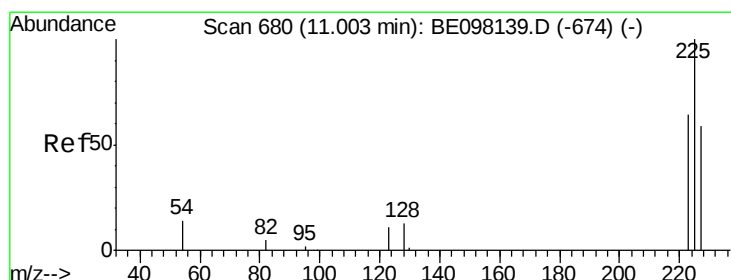
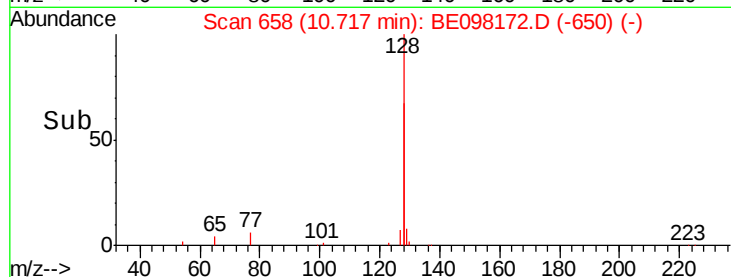
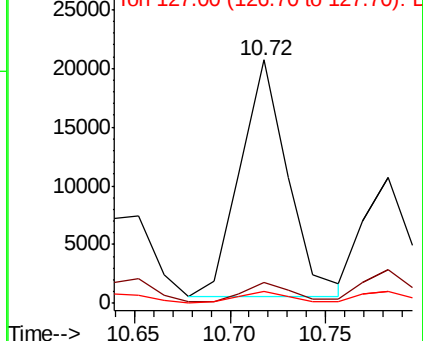
127 5.0 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.386 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

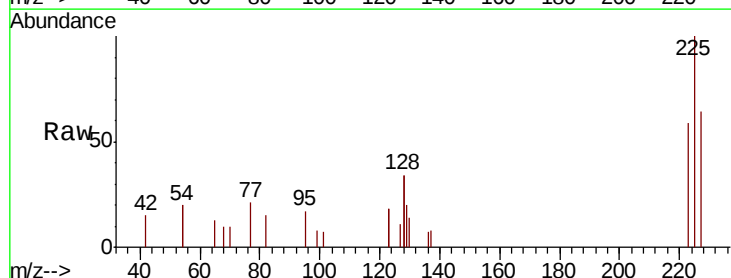
Tgt Ion:225 Resp: 942

Ion Ratio Lower Upper

225 100

223 59.4 51.8 77.8

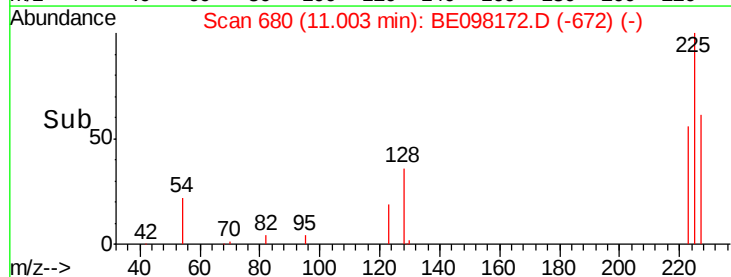
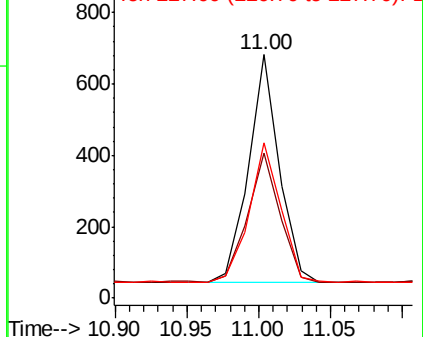
227 63.9 53.0 79.6

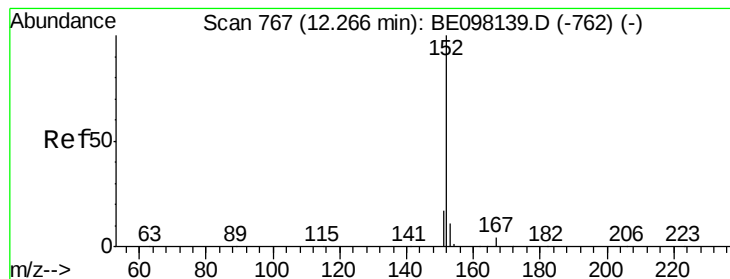


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

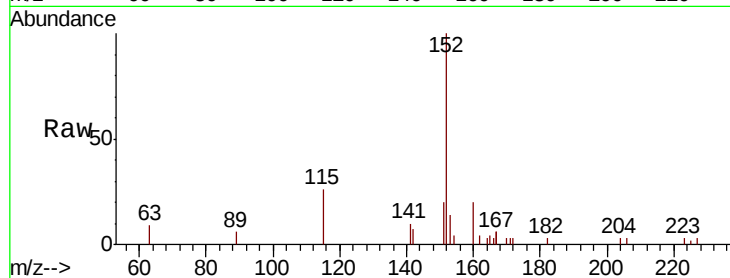
C19013081MS

Tot Ion:152 Resp: 2628

Ion Ratio Lower Upper

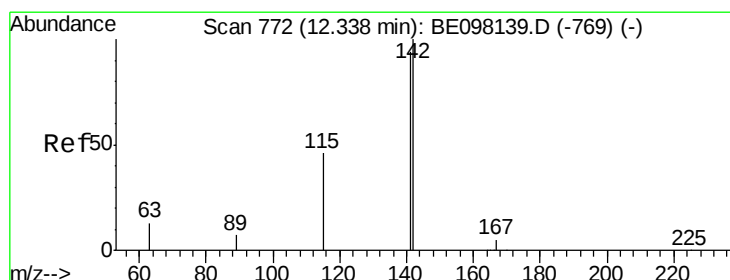
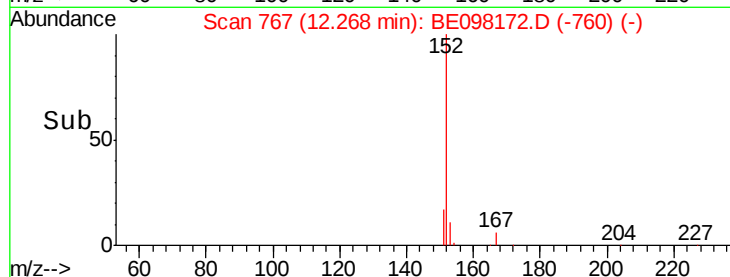
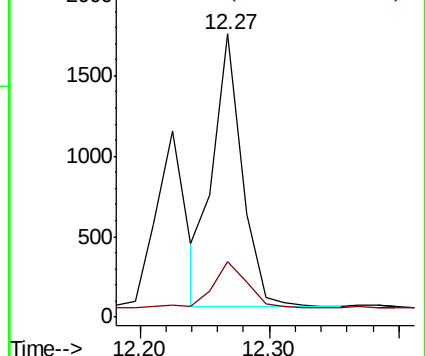
152 100

151 21.0 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.840 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

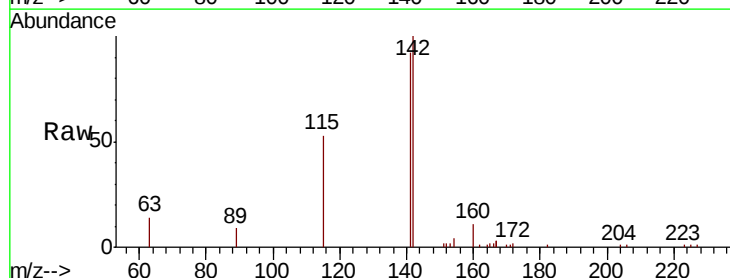
Tgt Ion:142 Resp: 5582

Ion Ratio Lower Upper

142 100

141 92.5 69.8 104.6

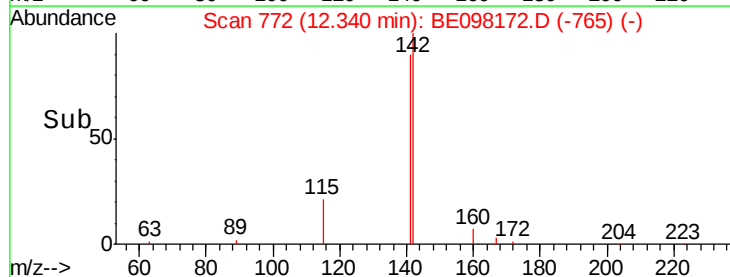
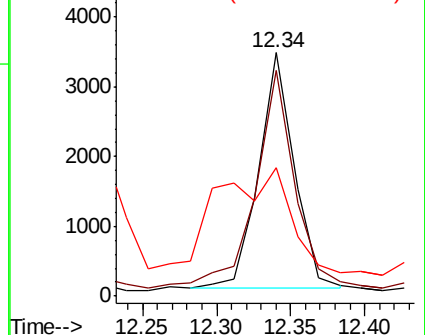
115 52.5 30.5 45.7#

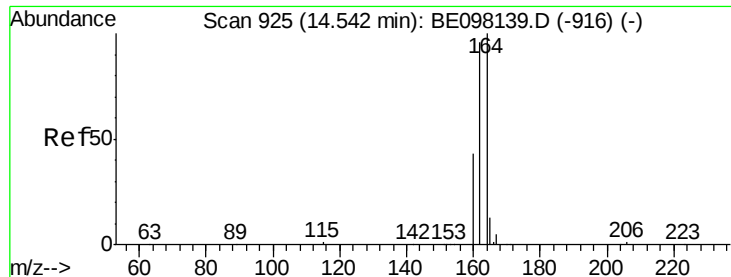


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

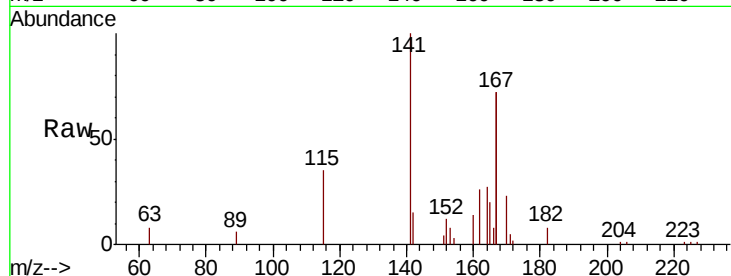




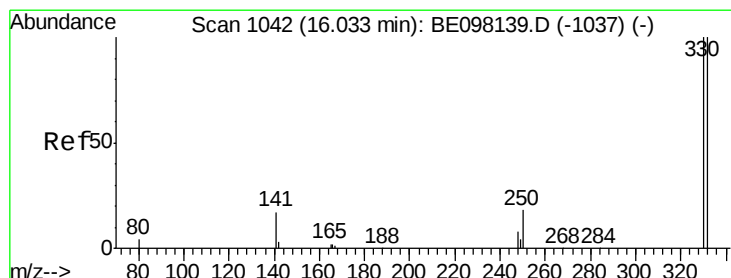
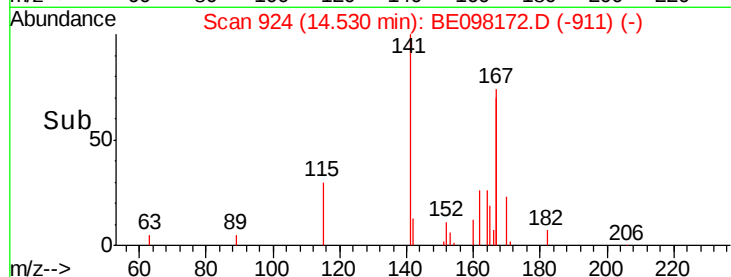
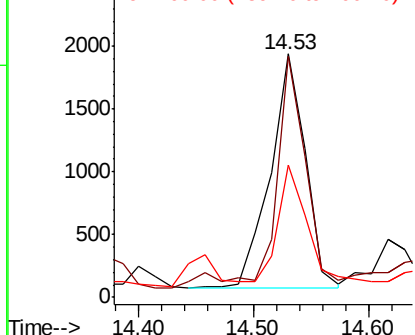
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Instrument :
BNA_E
ClientSampleId :
C19013081MS

Tot Ion:164 Resp: 3923
Ion Ratio Lower Upper
164 100
162 99.2 77.4 116.2
160 54.1 36.5 54.7

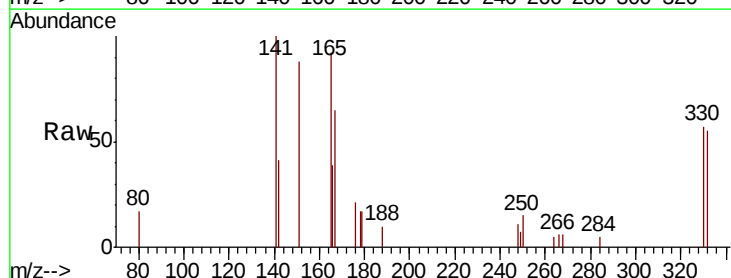


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

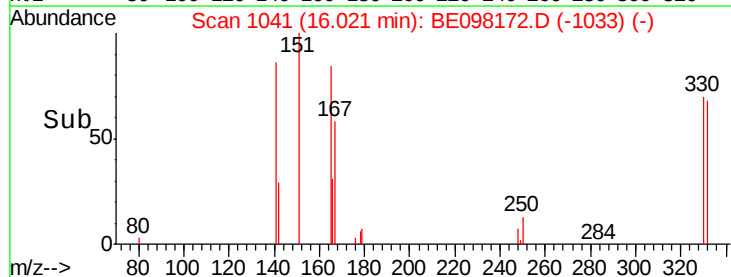
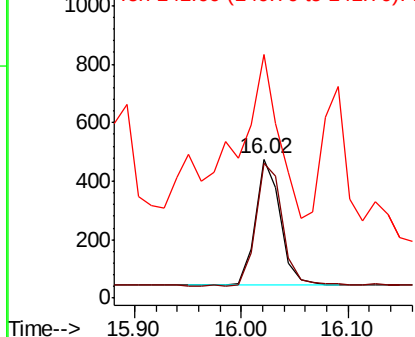


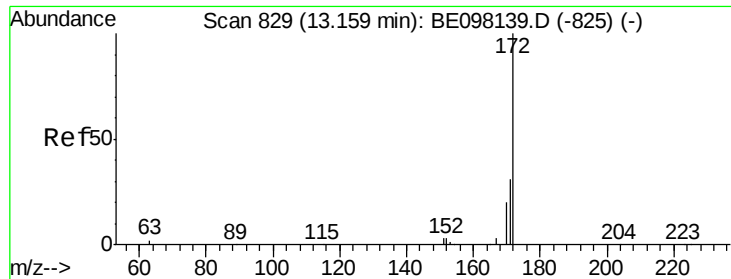
#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion:330 Resp: 702
Ion Ratio Lower Upper
330 100
332 104.8 76.5 114.7
141 198.3 31.8 47.6#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

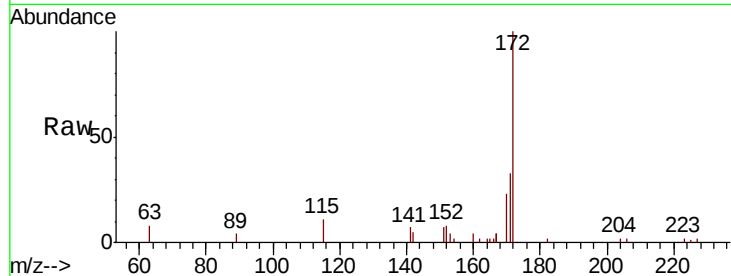




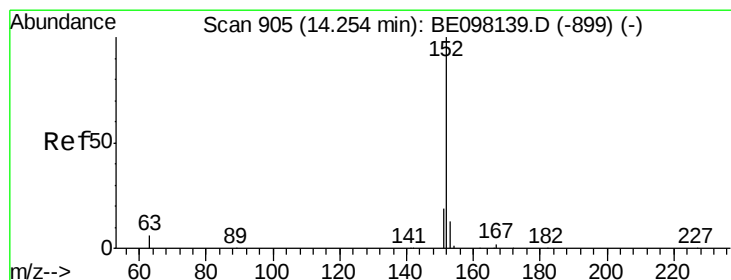
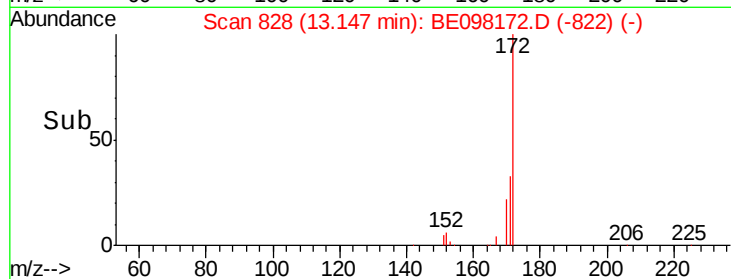
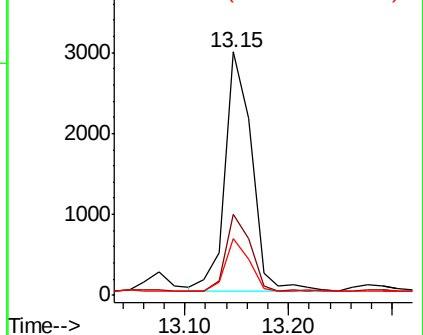
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.01 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Instrument :
BNA_E
ClientSampleId :
C19013081MS

Tot Ion:172 Resp: 5265
Ion Ratio Lower Upper
172 100
171 33.2 26.0 39.0
170 23.2 18.0 27.0

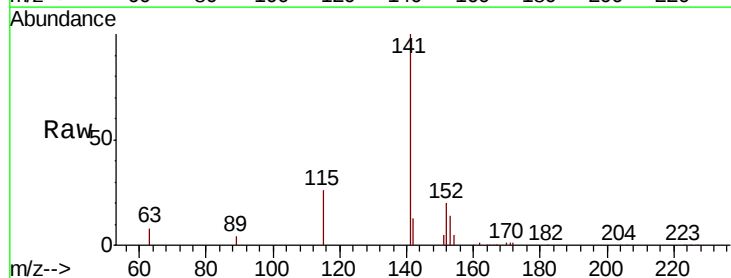


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

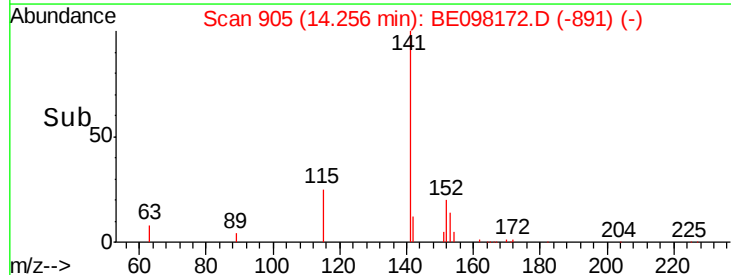
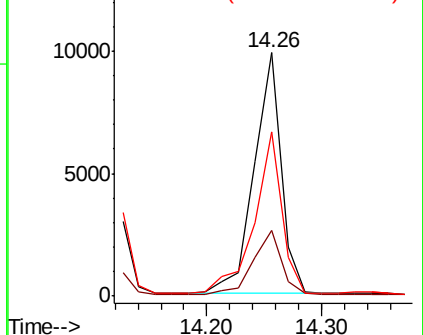


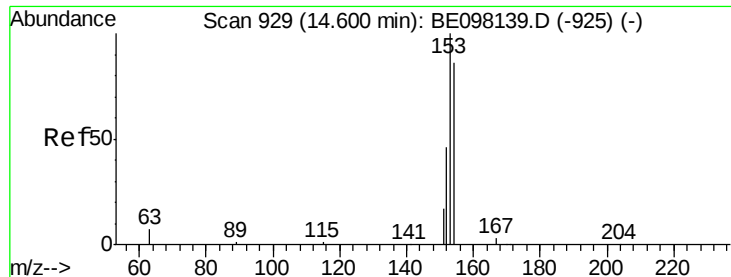
#16
Acenaphthylene
Concen: 0.899 ng
RT: 14.26 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion:152 Resp: 16086
Ion Ratio Lower Upper
152 100
151 26.8 16.1 24.1#
153 68.4 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

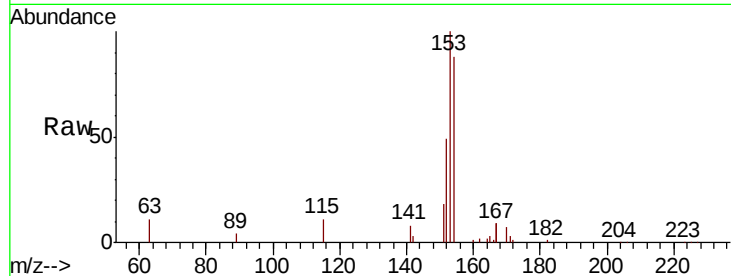




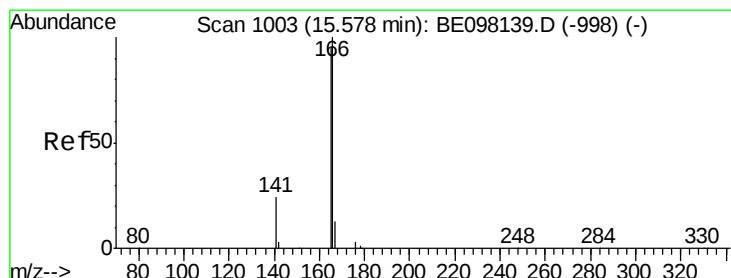
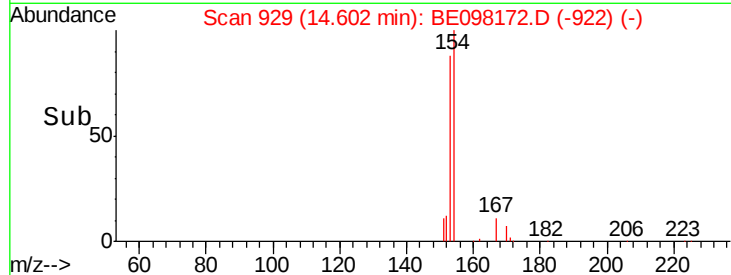
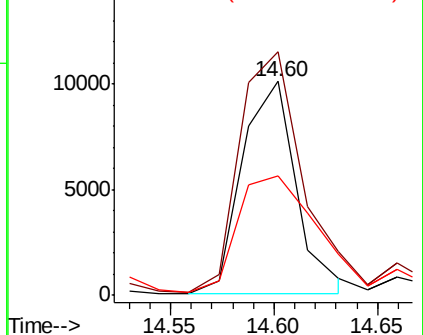
#17
Acenaphthene
Concen: 1.714 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Instrument :
BNA_E
ClientSampleId :
C19013081MS

Tot Ion:154 Resp: 18416
Ion Ratio Lower Upper
154 100
153 132.4 92.6 139.0
152 79.2 45.5 68.3#

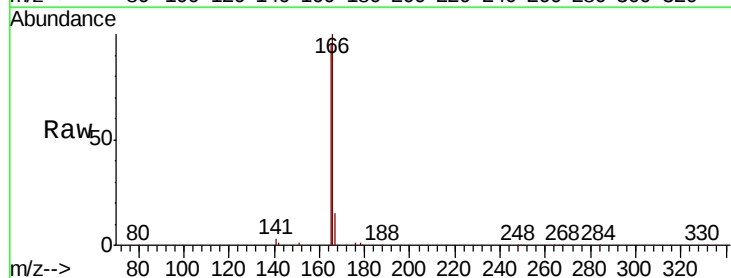


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

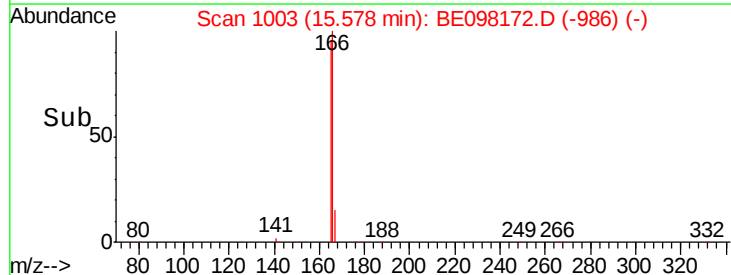
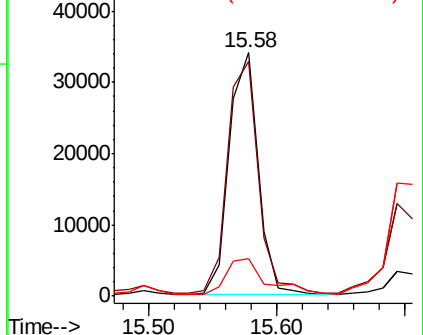


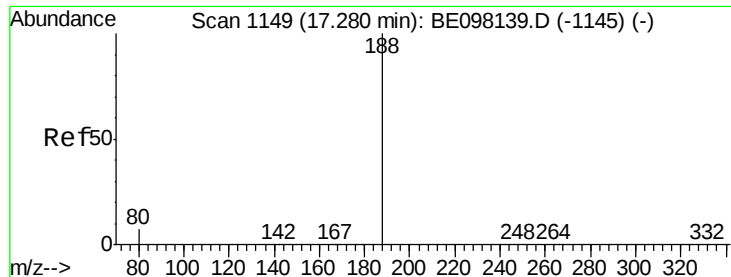
#18
Fluorene
Concen: 3.765 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion:166 Resp: 53689
Ion Ratio Lower Upper
166 100
165 102.0 78.2 117.4
167 21.6 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

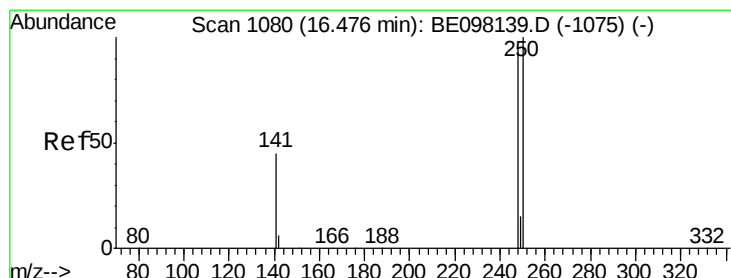
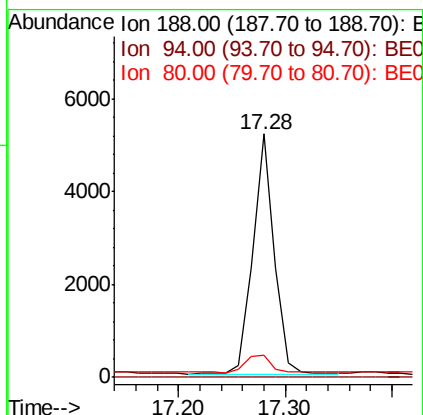
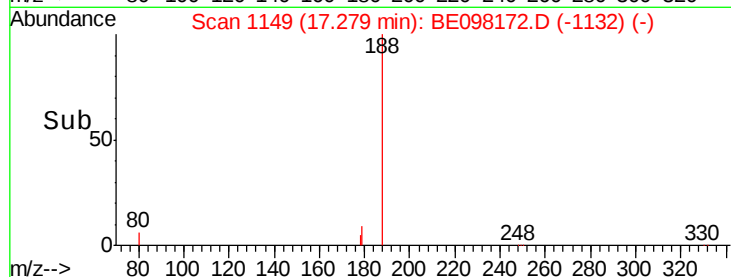
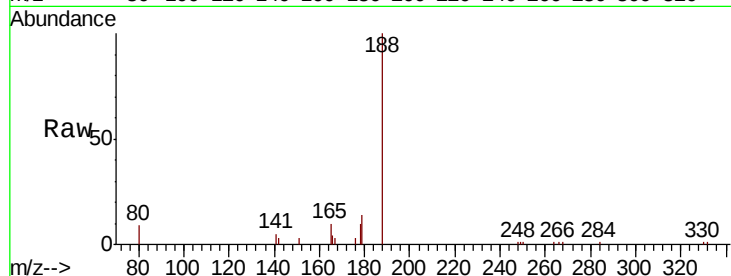
Tot Ion:188 Resp: 7162

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.01 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

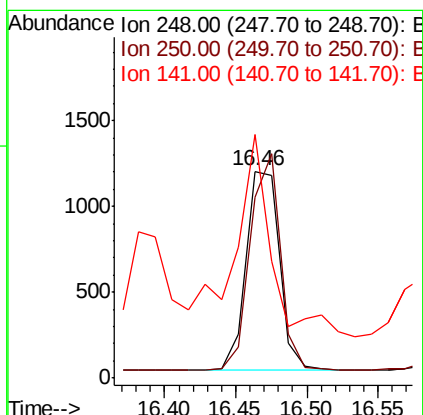
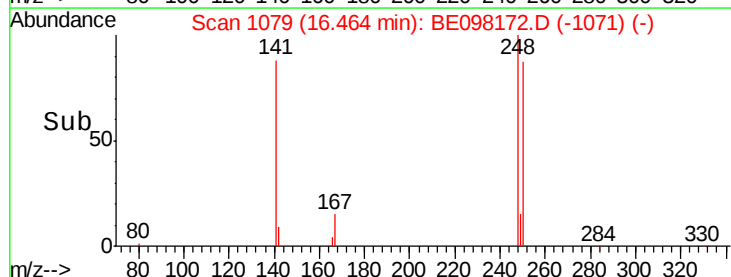
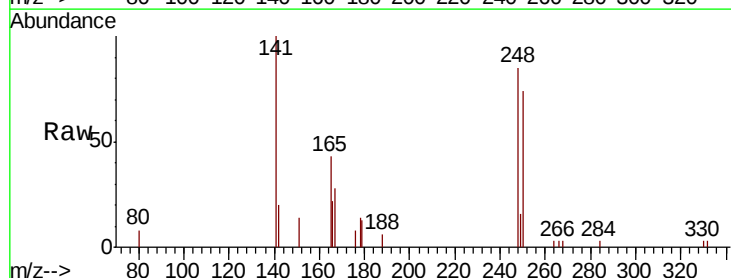
Tgt Ion:248 Resp: 1895

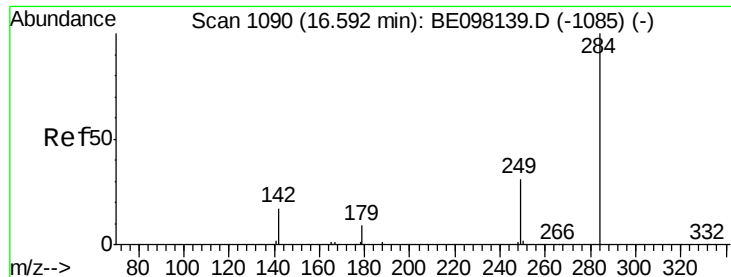
Ion Ratio Lower Upper

248 100

250 87.2 75.1 112.7

141 117.6 51.8 77.8#





#21

Hexachlorobenzene

Concen: 0.402 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

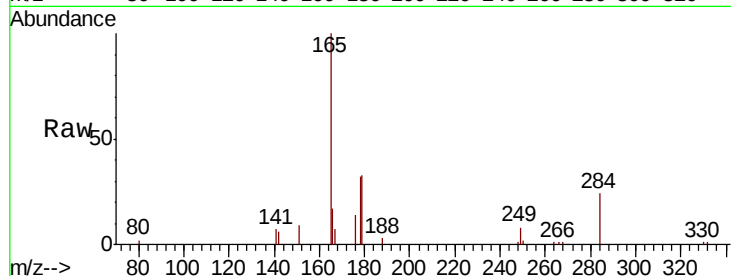
Tot Ion:284 Resp: 1834

Ion Ratio Lower Upper

284 100

142 43.6 25.9 38.9#

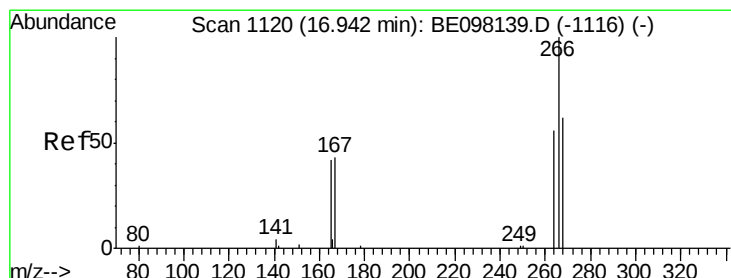
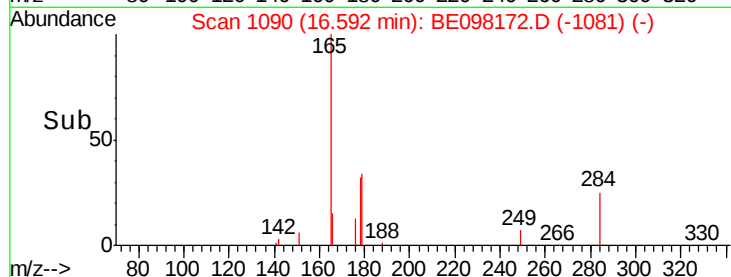
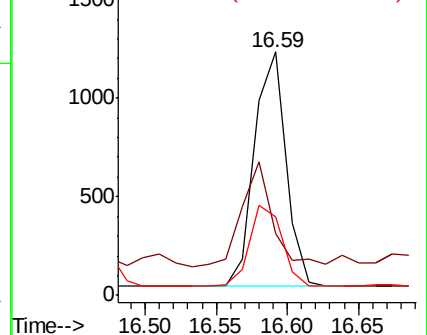
249 35.6 26.6 40.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.246 ng

RT: 16.94 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

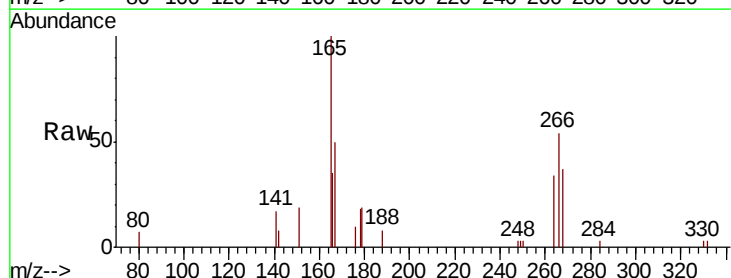
Tgt Ion:266 Resp: 1501

Ion Ratio Lower Upper

266 100

264 62.5 51.3 76.9

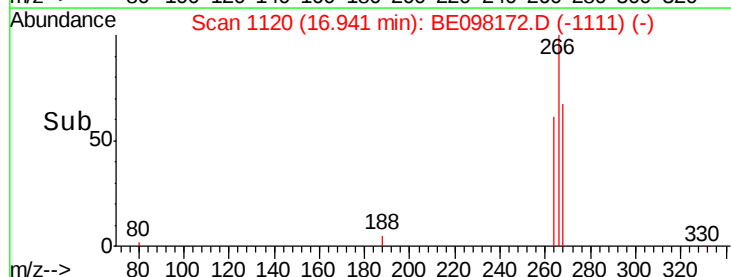
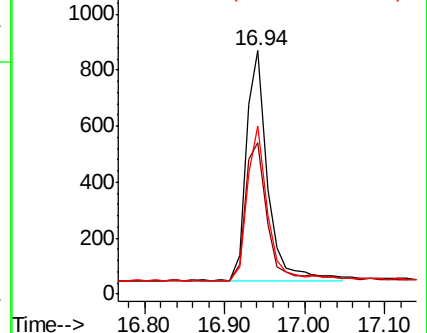
268 69.2 50.1 75.1

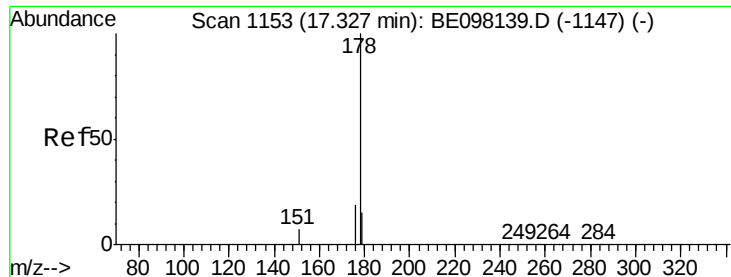


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 4.100 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

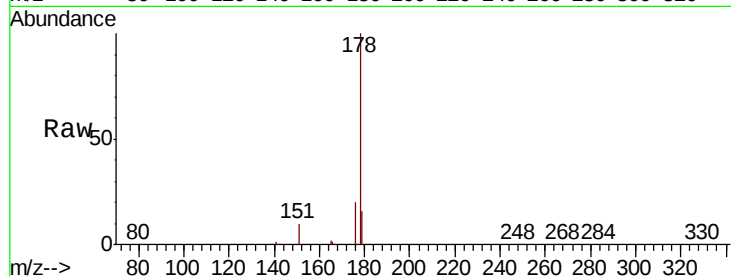
Tot Ion:178 Resp: 72745

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

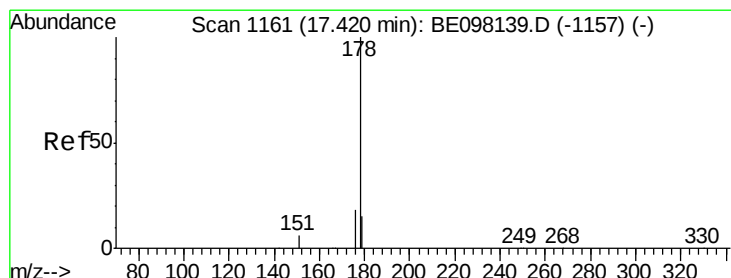
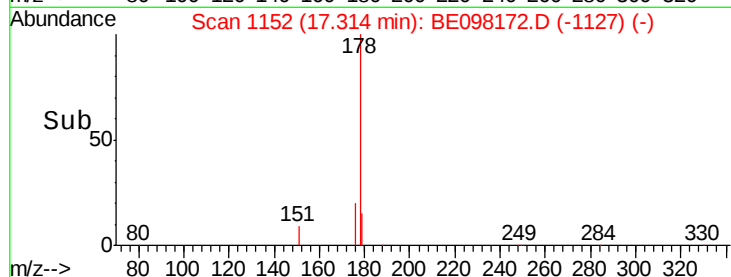
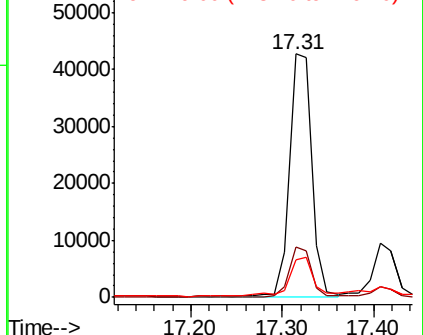
179 17.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.845 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

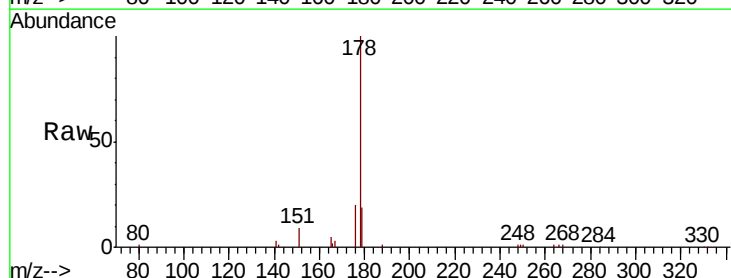
Tgt Ion:178 Resp: 14261

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

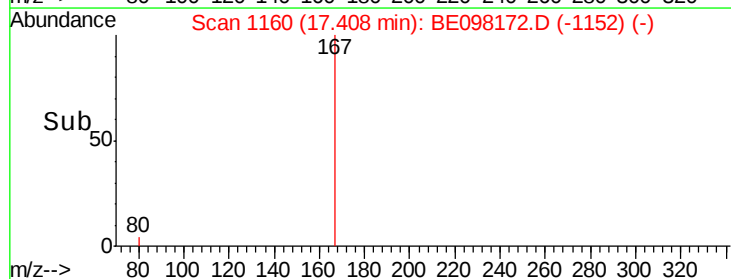
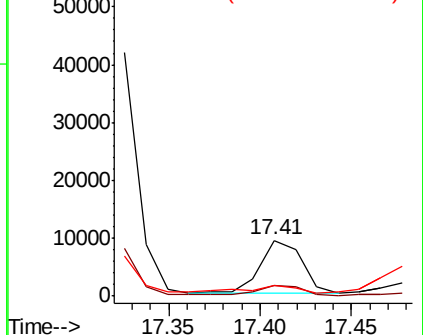
179 17.8 11.9 17.9

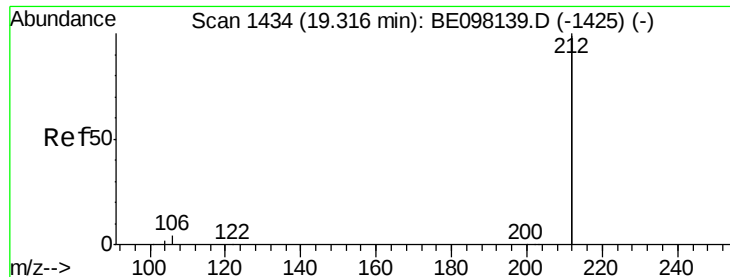


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.408 ng

RT: 19.31 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

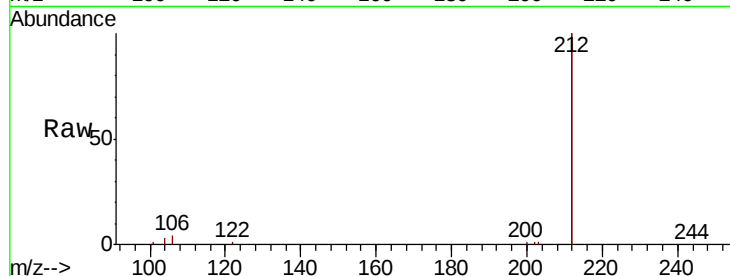
Tot Ion:212 Resp: 37707

Ion Ratio Lower Upper

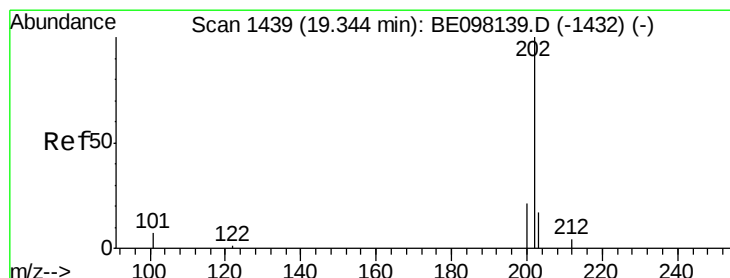
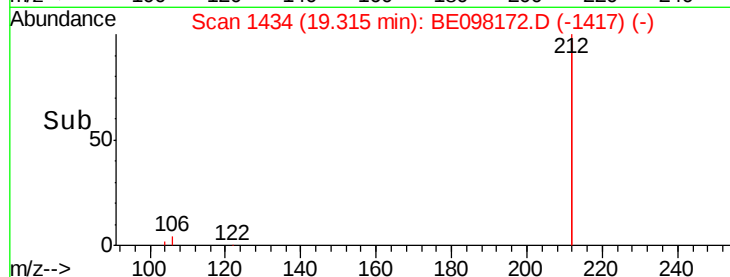
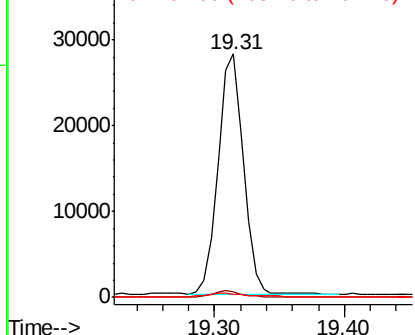
212 100

106 2.3 2.3 3.5#

104 1.9 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.516 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

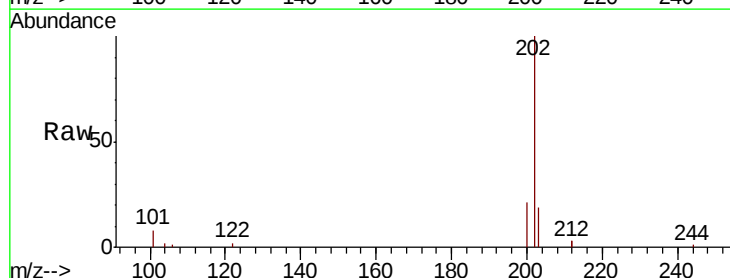
Tgt Ion:202 Resp: 11468

Ion Ratio Lower Upper

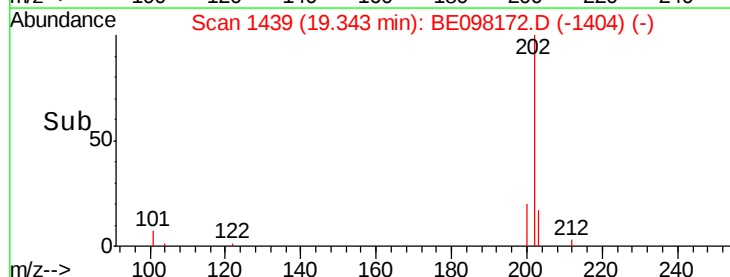
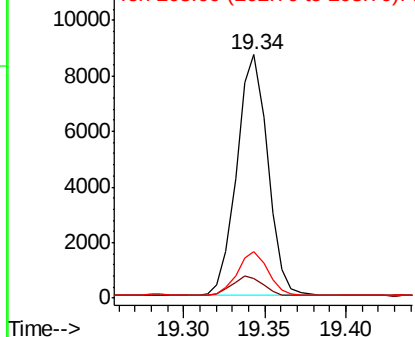
202 100

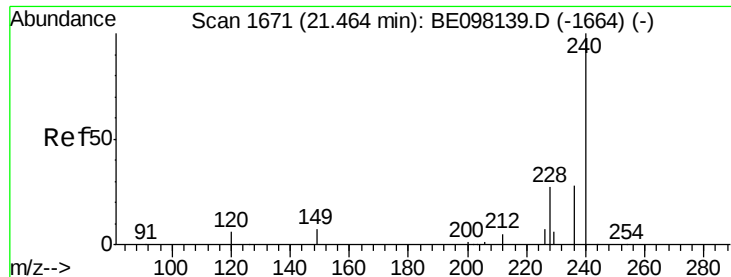
101 8.4 8.2 12.2

203 17.9 15.0 22.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

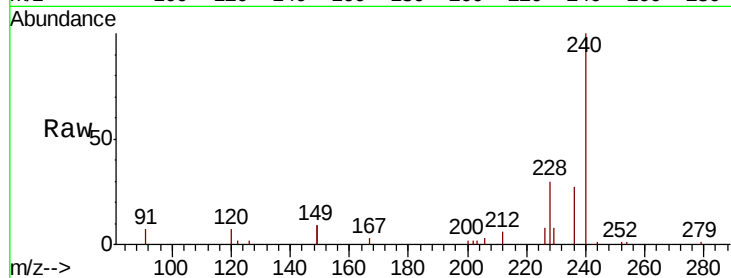




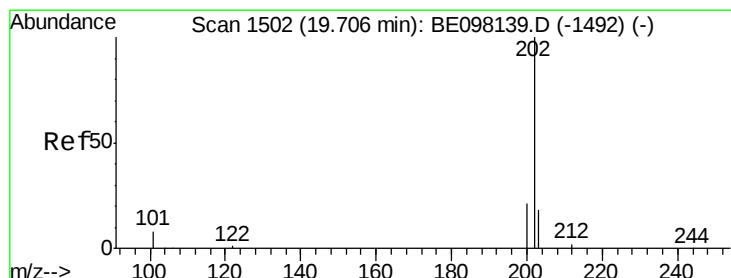
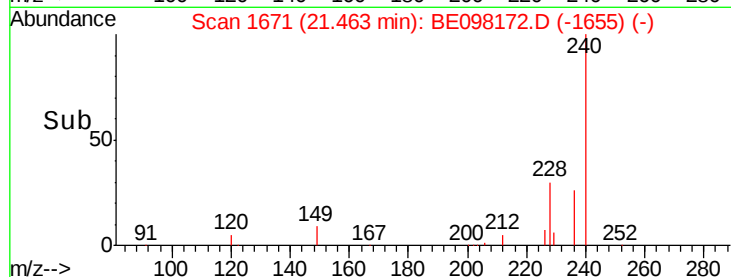
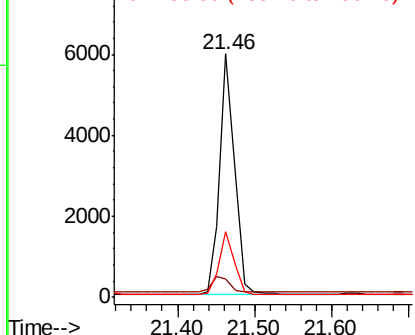
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Instrument :
BNA_E
ClientSampleId :
C19013081MS

Tot Ion:240 Resp: 8056
Ion Ratio Lower Upper
240 100
120 7.4 7.1 10.7
236 26.9 21.3 31.9

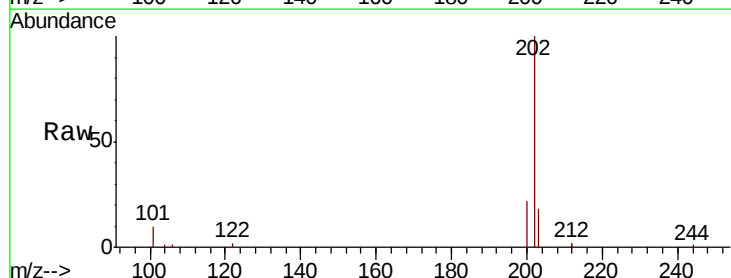


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

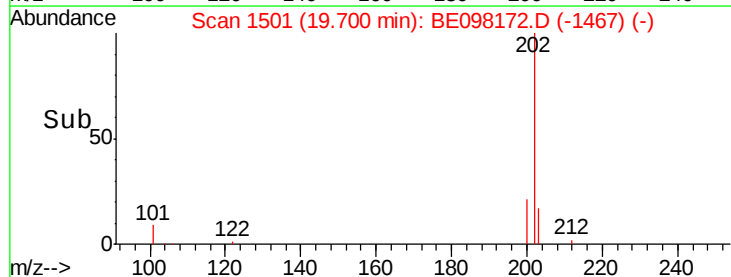
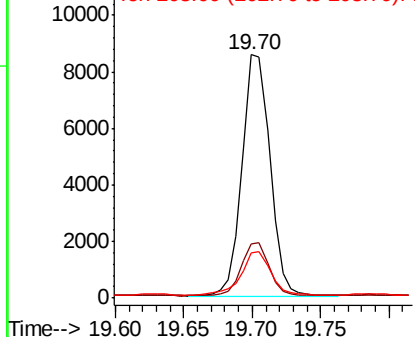


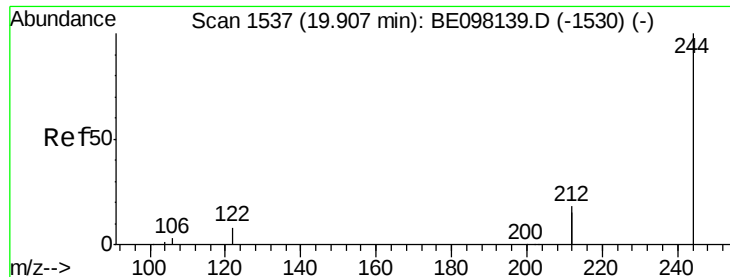
#28
Pyrene
Concen: 0.551 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion:202 Resp: 12114
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 19.1 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.553 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

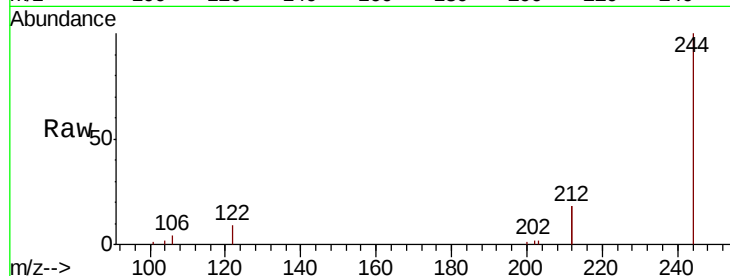
Tot Ion:244 Resp: 10361

Ion Ratio Lower Upper

244 100

212 35.6 26.2 39.2

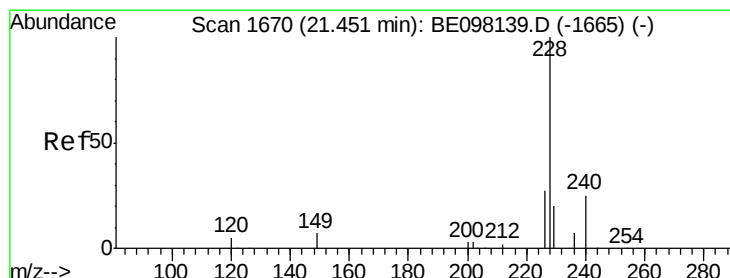
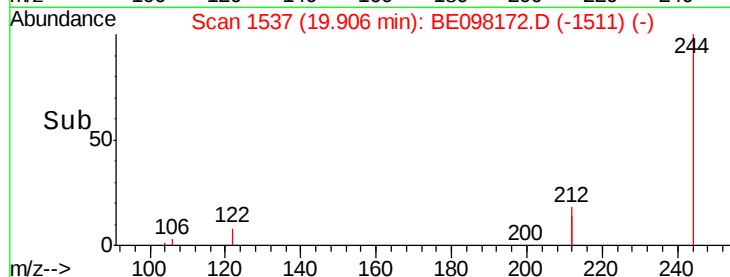
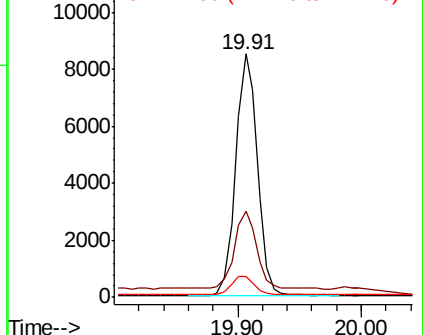
122 8.7 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.513 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

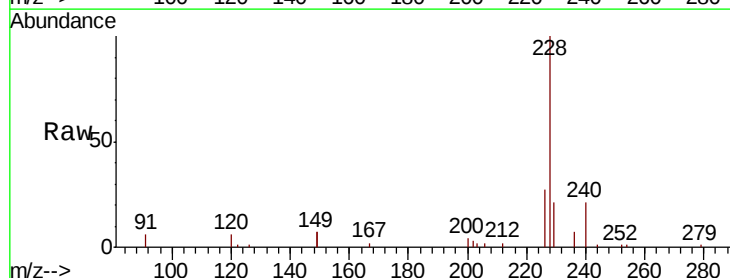
Tgt Ion:228 Resp: 12076

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

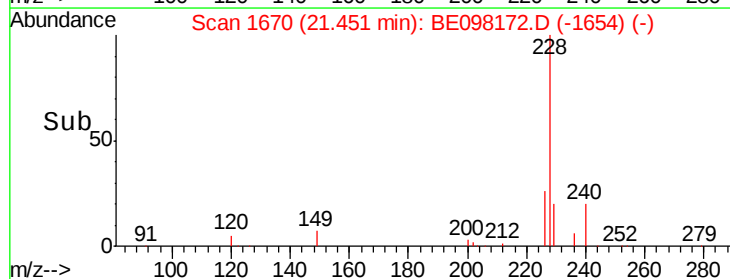
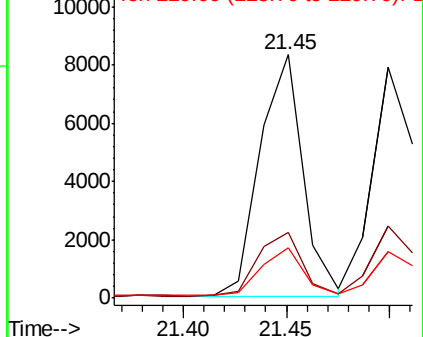
229 20.9 16.9 25.3

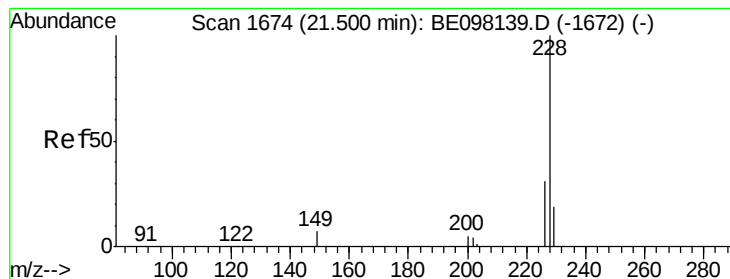


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.495 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

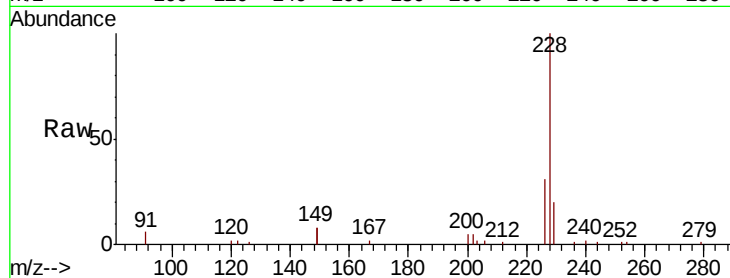
BNA_E

ClientSampleId :

C19013081MS

Tot Ion:228 Resp: 11520

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.3	36.5
229	20.1	17.3	25.9

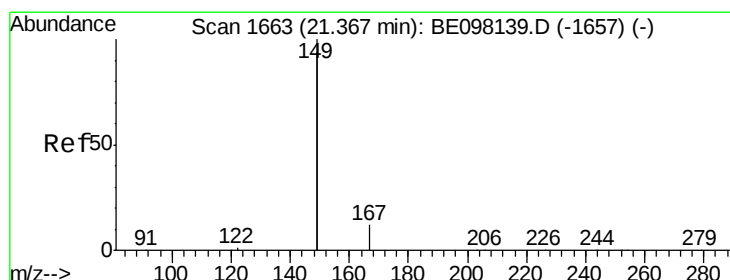
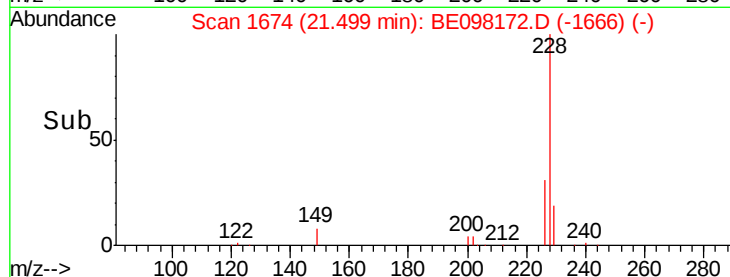
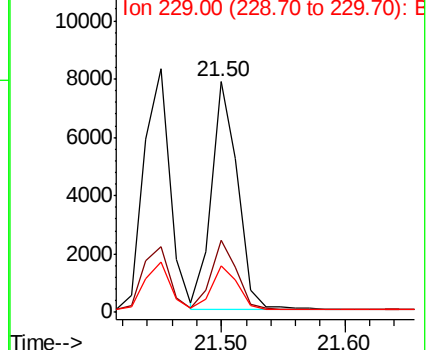


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.678 ng

RT: 21.37 min Scan# 1663

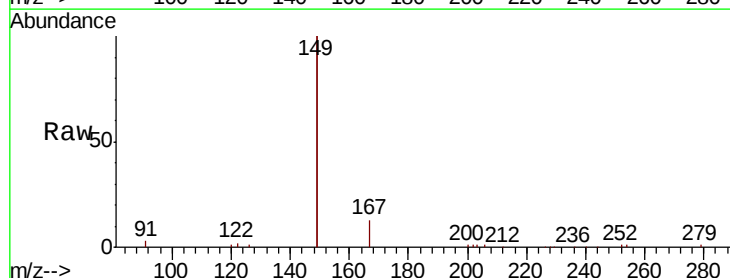
Delta R.T. 0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Tgt Ion:149 Resp: 43018

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.6	8.4
279	1.2	0.9	1.3

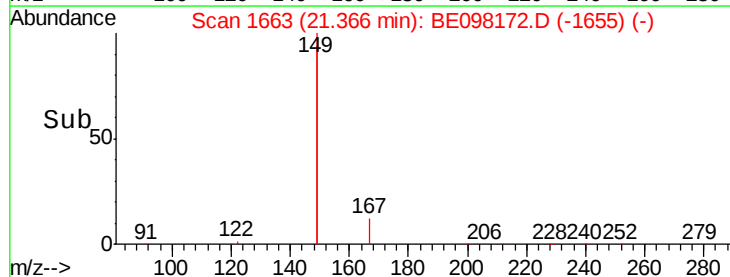
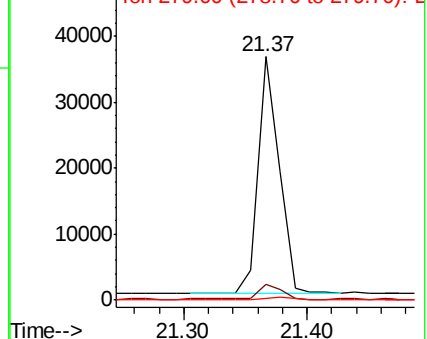


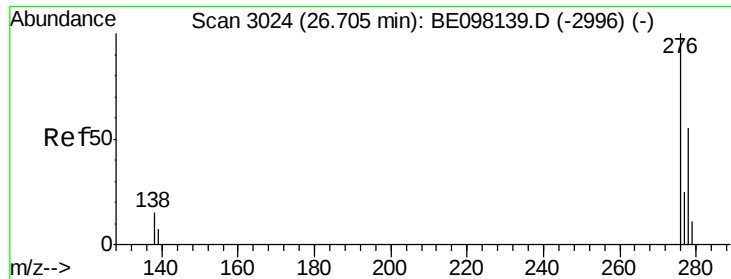
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

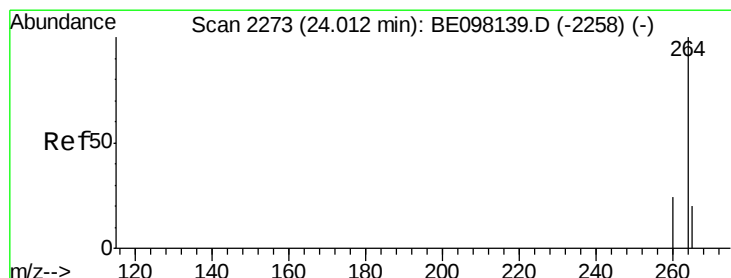
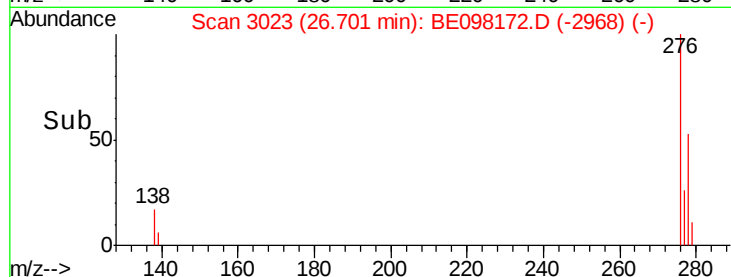
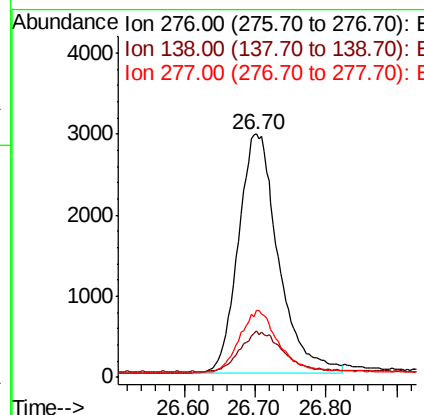
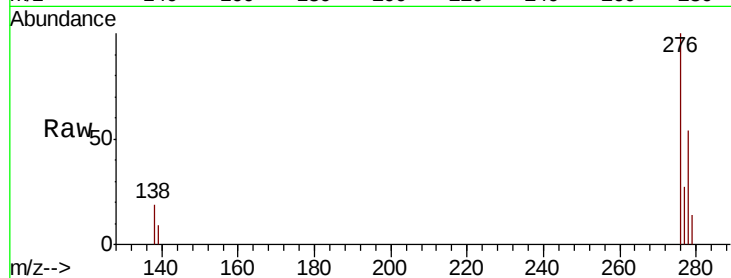




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.481 ng
 RT: 26.70 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: BE098172.D
 Acq: 7 Nov 2018 14:02

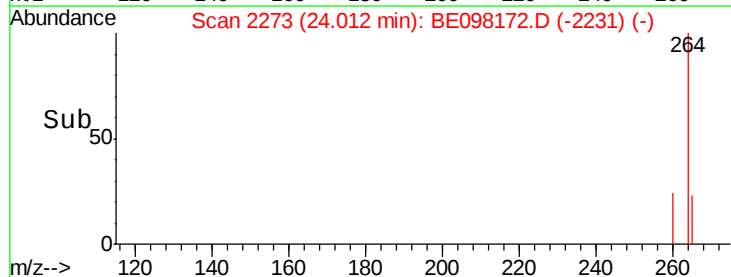
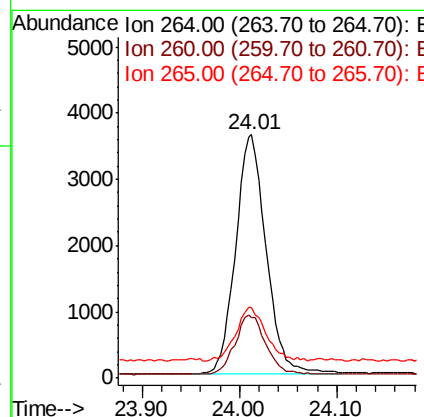
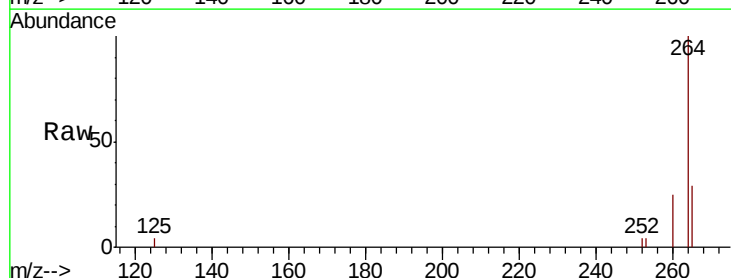
Instrument :
 BNA_E
 ClientSampleId :
 C19013081MS

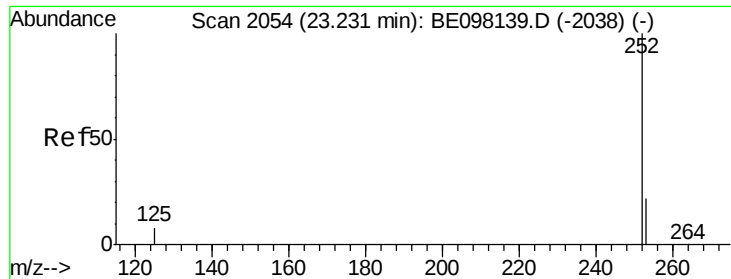
Tot Ion:276 Resp: 11662
 Ion Ratio Lower Upper
 276 100
 138 18.0 17.0 25.6
 277 24.5 20.5 30.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BE098172.D
 Acq: 7 Nov 2018 14:02

Tgt Ion:264 Resp: 7880
 Ion Ratio Lower Upper
 264 100
 260 25.1 21.1 31.7
 265 29.1 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.495 ng

RT: 23.23 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

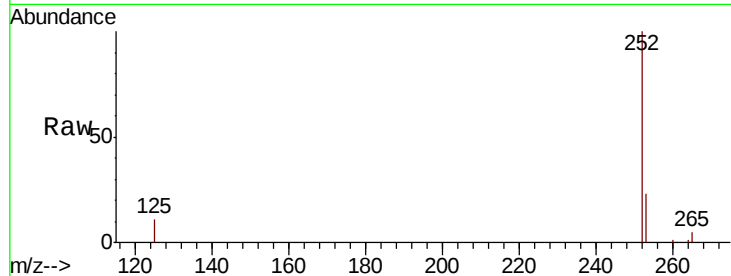
Tot Ion:252 Resp: 10996

Ion Ratio Lower Upper

252 100

253 23.2 20.6 31.0

125 11.0 14.3 21.5#

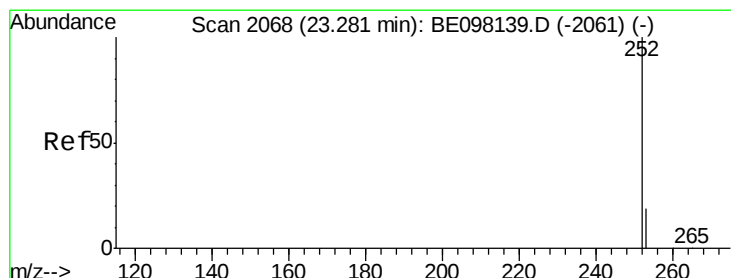
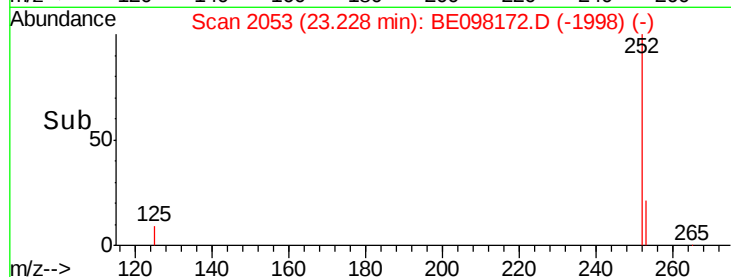
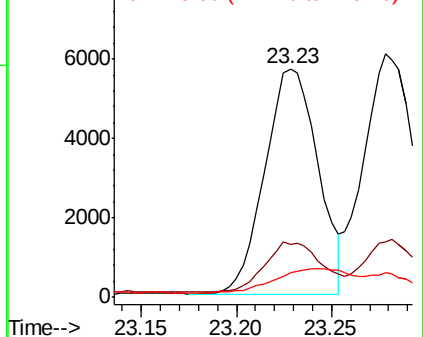


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.499 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

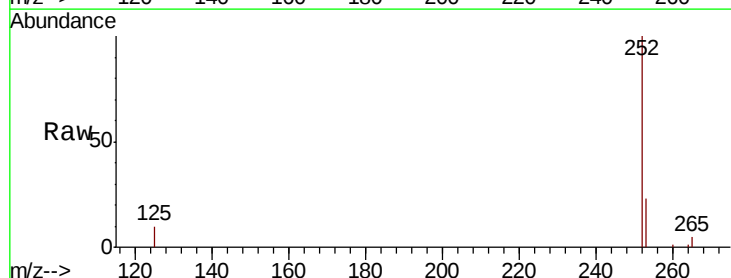
Tgt Ion:252 Resp: 11463

Ion Ratio Lower Upper

252 100

253 22.6 20.4 30.6

125 10.2 14.6 21.8#

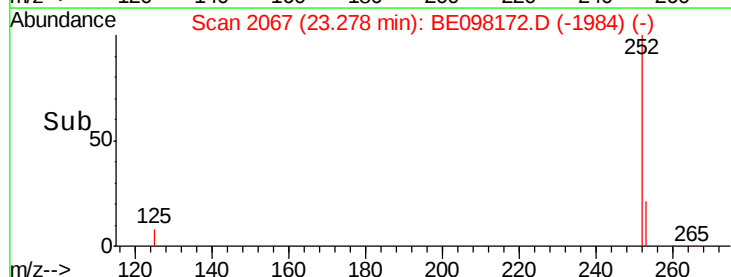
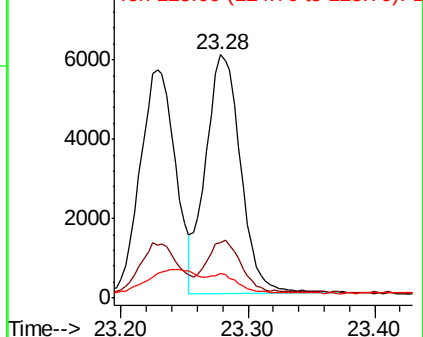


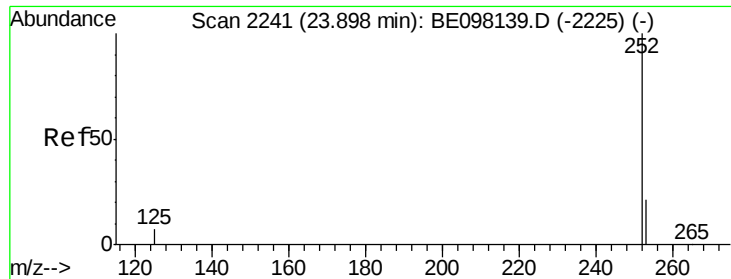
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

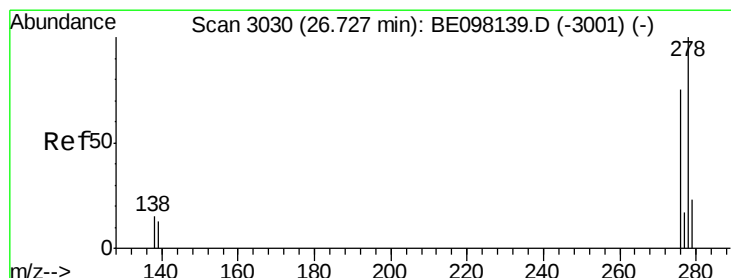
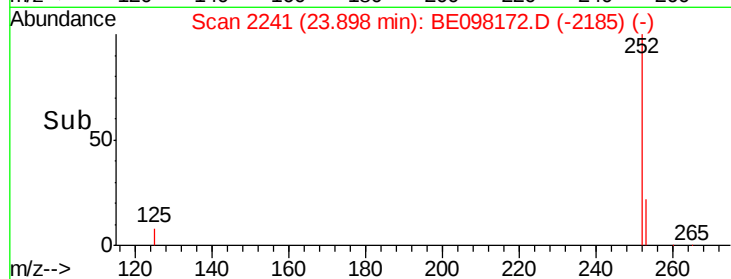
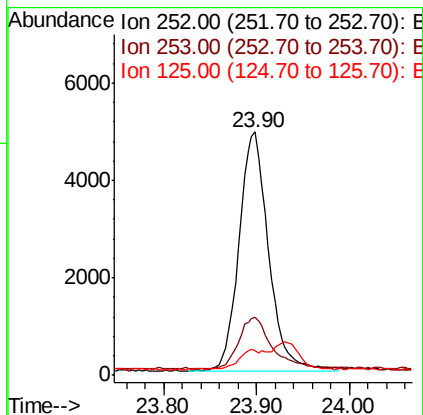
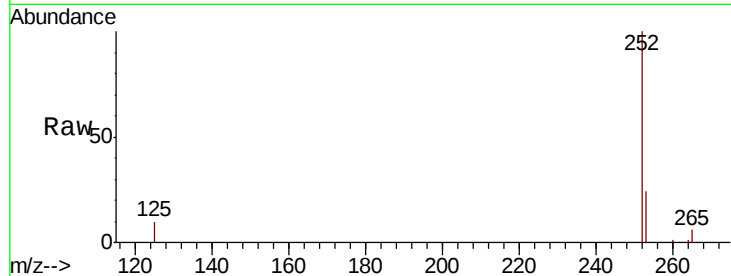




#37
Benzo(a)pyrene
Concen: 0.498 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

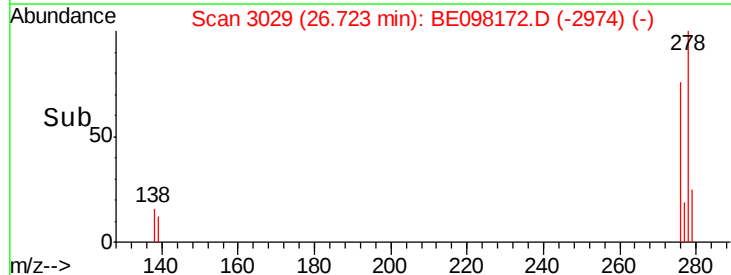
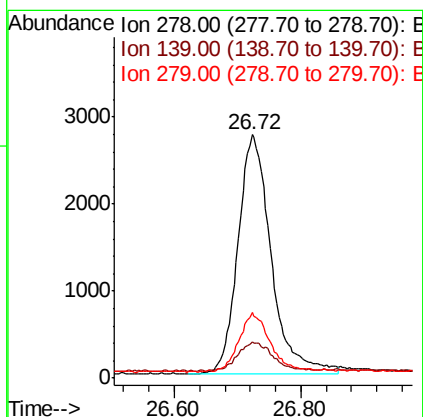
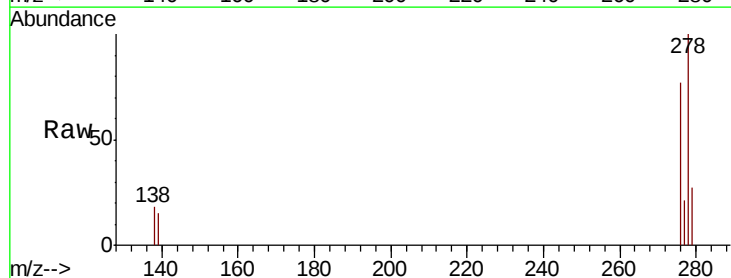
Instrument :
BNA_E
ClientSampleId :
C19013081MS

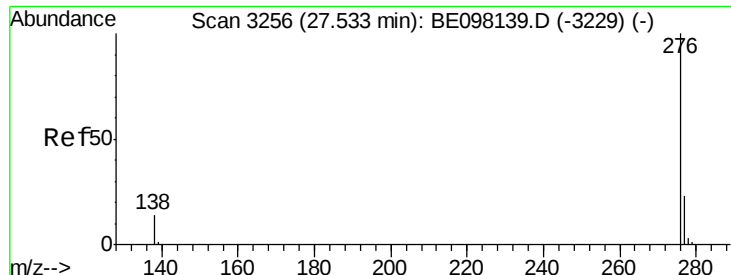
Tot Ion:252 Resp: 10807
Ion Ratio Lower Upper
252 100
253 23.8 20.6 31.0
125 10.2 15.6 23.4#



#38
Dibenzo(a,h)anthracene
Concen: 0.494 ng
RT: 26.72 min Scan# 3029
Delta R.T. -0.00 min
Lab File: BE098172.D
Acq: 7 Nov 2018 14:02

Tgt Ion:278 Resp: 9992
Ion Ratio Lower Upper
278 100
139 15.1 16.3 24.5#
279 26.8 21.4 32.2





#39

Benzo(a,h,i)perylene

Concen: 0.487 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BE098172.D

Acq: 7 Nov 2018 14:02

Instrument :

BNA_E

ClientSampleId :

C19013081MS

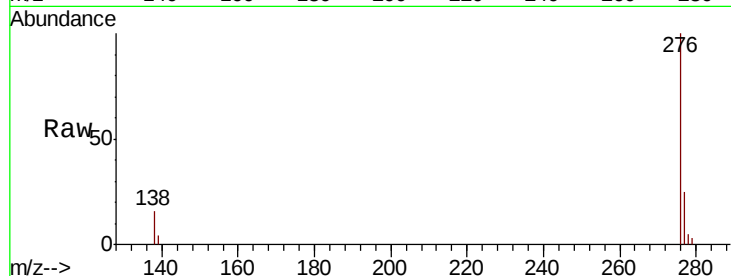
Tot Ion: 276 Resp: 9815

Ion Ratio Lower Upper

276 100

277 24.9 22.1 33.1

138 16.2 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

